

# Chungyu Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

432  
citations

687363

13  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	CnaA domains in bacterial pili are efficient dissipaters of large mechanical shocks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2490-2495.	7.1	60
2	A thiolâ€disulfide oxidoreductase of the <sc>G</sc>ramâ€positive pathogen <sc>C</sc><i>Corynebacterium diphtheriae</i> is essential for viability, pilus assembly, toxin production and virulence. Molecular Microbiology, 2015, 98, 1037-1050.	2.5	37
3	Protein Labeling via a Specific Lysine-Isopeptide Bond Using the Pilin Polymerizing Sortase from <i>Corynebacterium diphtheriae</i>. Journal of the American Chemical Society, 2018, 140, 8420-8423.	13.7	37
4	Genetic and molecular determinants of polymicrobial interactions in <i>Fusobacterium nucleatum</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	36
5	Cell surface display of minor pilin adhesins in the form of a simple heterodimeric assembly in <i>Corynebacterium diphtheriae</i>. Molecular Microbiology, 2011, 79, 1236-1247.	2.5	34
6	A Disulfide Bond-forming Machine Is Linked to the Sortase-mediated Pilus Assembly Pathway in the Gram-positive Bacterium Actinomyces oris. Journal of Biological Chemistry, 2015, 290, 21393-21405.	3.4	28
7	The Identification and Functional Characterization of WxL Proteins from Enterococcus faecium Reveal Surface Proteins Involved in Extracellular Matrix Interactions. Journal of Bacteriology, 2015, 197, 882-892.	2.2	28
8	A slow-forming isopeptide bond in the structure of the major pilin SpaD from <i>Corynebacterium diphtheriae</i> has implications for pilus assembly. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1190-1201.	2.5	27
9	In vitro reconstitution of sortase-catalyzed pilus polymerization reveals structural elements involved in pilin cross-linking. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5477-E5486.	7.1	27
10	Cell-to-cell interaction requires optimal positioning of a pilus tip adhesin modulated by gram-positive transpeptidase enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18041-18049.	7.1	21
11	Electron Transport Chain Is Biochemically Linked to Pilus Assembly Required for Polymicrobial Interactions and Biofilm Formation in the Gram-Positive Actinobacterium <i>Actinomyces oris</i>. MBio, 2017, 8, .	4.1	17
12	Visualization of Gram-positive Bacterial Pili. Methods in Molecular Biology, 2013, 966, 77-95.	0.9	17
13	A Cell-based Screen in Actinomyces oris to Identify Sortase Inhibitors. Scientific Reports, 2020, 10, 8520.	3.3	15
14	Kinetics and Optimization of the Lysineâ€Isopeptide Bond Forming Sortase Enzyme from <i>Corynebacterium diphtheriae</i>. Bioconjugate Chemistry, 2020, 31, 1624-1634.	3.6	9
15	The Fused Methionine Sulfoxide Reductase MsrAB Promotes Oxidative Stress Defense and Bacterial Virulence in Fusobacterium nucleatum. MBio, 2022, 13, e0302221.	4.1	9
16	Novel structure of the N-terminal helical domain of BibA, a group B streptococcus immunogenic bacterial adhesin. Acta Crystallographica Section D: Structural Biology, 2020, 76, 759-770.	2.3	8
17	Ribonuclease J-Mediated mRNA Turnover Modulates Cell Shape, Metabolism and Virulence in Corynebacterium diphtheriae. Microorganisms, 2021, 9, 389.	3.6	7
18	Sortase-assembled pili in <i>Corynebacterium diphtheriae</i> are built using a latch mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7

#	ARTICLE	IF	CITATIONS
19	Genetic Manipulation of <i>Corynebacterium diphtheriae</i> and Other <i>Corynebacterium</i> Species. <i>Current Protocols in Microbiology</i> , 2020, 58, e111.	6.5	3
20	A cell wall-anchored glycoprotein confers resistance to cation stress in <i>Actinomyces oris</i> biofilms. <i>Molecular Oral Microbiology</i> , 2022, , .	2.7	3
21	A conserved signal-peptidase antagonist modulates membrane homeostasis of actinobacterial sortase critical for surface morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	2